

Code No: 156BJ

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, February/March - 2022

INTERNET OF THINGS

(Information Technology)

Time: 3 Hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) Explain the logical design of IoT in detail.
b) Summarize the various IoT enabled technologies. [7+8]
- 2.a) Design the protocol layer of IoT and explain various protocols used in each layer.
b) What is role of Cloud Computing and Big Data in Internet of Things? Explain. [7+8]
- 3.a) What is Software Defined Network? Explain.
b) Discuss in detail about SNMP NETOPEER. [7+8]
- 4.a) Explain the IoT system management with YANG-NETCONF.
b) What is network function virtualization? Discuss. [7+8]
- 5.a) List different operators in Python, in the order of their precedence.
b) Describe the different access modes of the files with an example. [7+8]
- 6.a) Illustrate the different types of control flow statements available in Python with flowcharts.
b) How exception handling is done in Python? Explain. [8+7]
- 7.a) Describe the relative strengths and limitations of Building IOT with RASPBERRY PI.
b) Summarize the IoT physical devices in detail. [8+7]
- 8.a) Give overview of Cloud storage models in brief.
b) Explain the process of designing a RESTful web API. [7+8]

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